

Construction Datasheet

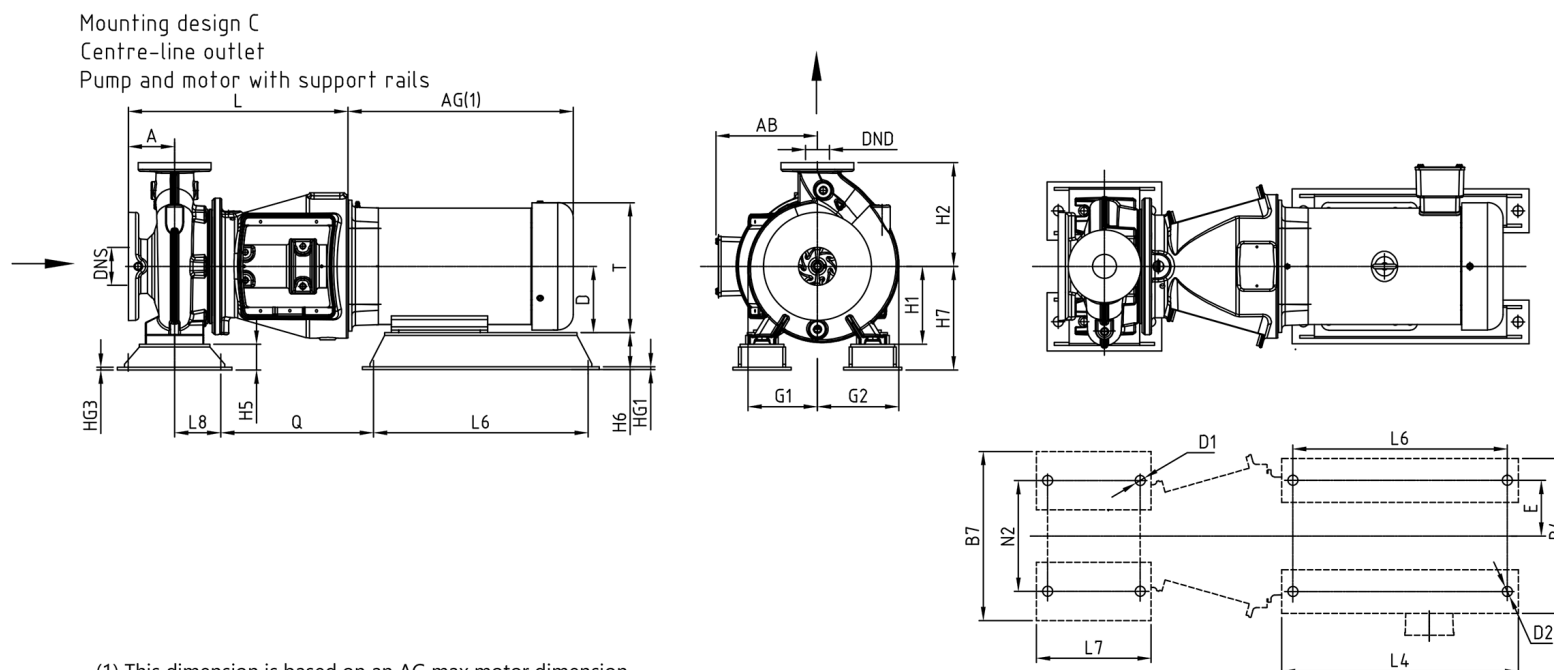
Project name	Default	Tag Number	001
Consulting engineer		Service	
Customer		Model	NBS 012-070-2P
Customer ref. / PO		Quantity	1
Quote Number / ID	596697	Quoted By (Sales Office)	PFC EQUIPMENT INC
Date last saved	04/21/2022 2:14 PM	Quoted By (Sales Engineer)	Kelly Kresa

Construction Code : NBS 012-070/6.97AASG6S5ESBQQENX2

Construction		Motor Information	
Product Family	NBS_Std	Manufacturer	Baldor
Suction Size	2 in.	Frame Size	215TC
Discharge Size	1.25 in.	Power	15 HP
Flange Rating	Class 125	RPM	3600
Orientation	Horizontal	Enclosure	TEFC
Rotation	Clockwise	Operating Power Supply	230/460/3/60
Pump Housing	Cast Iron, ASTM A48 - Class 35	Efficiency	Premium
O-Ring	EPDM	Service Factor	1.15
Plug	Galvanized	Motor Application	General Purpose
Impeller	Stainless Steel, AISI-304 / EN 1.430	Weight (Approx.)	
Impeller Nut	Duplex Stainless Steel, SAF 2205	Pump	147.0 lb
Shaft	Duplex Stainless Steel, SAF 2205	Support Rail	24.00 lb
Cover	Ductile Cast Iron, ASTM 70-50-05	Base Plate	-
Seal Type	Rubber bellows seal	Driver	182.0 lb
Shaft Seal	BQQE - Silicon carbide / Silicon carbide / EPDM	Estimated Shipping Gross Weight	353.0 lb
Seal Cap	Ductile Cast Iron, ASTM 70-50-05		
Motor Stool	Gray Cast Iron, ASTM Class 30		
Recirculation Line	None		
Coupling	Rigid, Axial Split Coupling (aluminum)		
Support Rail	Support Rail		

General Arrangement

Project name	: Default	Tag Number	: 001
Consulting engineer	:	Service	:
Customer	:	Model	: NBS 012-070-2P
Customer ref. / PO	:	Quantity of pumps	: 1
Quote Number / ID	: 596697	Quoted By (Sales Office)	: PFC EQUIPMENT INC
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NOT FOR CONSTRUCTION, UNLESS CERTIFIED AND REFERENCED ON ORDER

Units	Frame	DNS	DND	Class	A	AB	AG	B4	B7	D	D1	D2	E	G1	G2	H1	H2	H5	H6	H7	HG1	HG3	L	L4	L6	L7	L8	N2	Q	T	Weight
inches	215TC	2	1.25	125	3.13	7.38	18.14	11.45	11.42	5.25	0.69	0.69	4.25	4.53	5.08	5.25	7.00	1.75	1.75	7.00	0.20	0.20	14.64	16.66	15.16	7.75	3.13	7.48	10.42	10.25	353.0
Conditions of Service										Motor Data																					
Flow: 150.5 USgpm				Fluid: Cold Water				HP: 15				Encl: TEFC				Phase: 3				Efficiency: Premium											
TDH: 165.5 ft				Temp.: 68.00 deg F				RPM: 3450 rpm				Hz: 60				Voltage: 230/460				S.F.: 1.15											

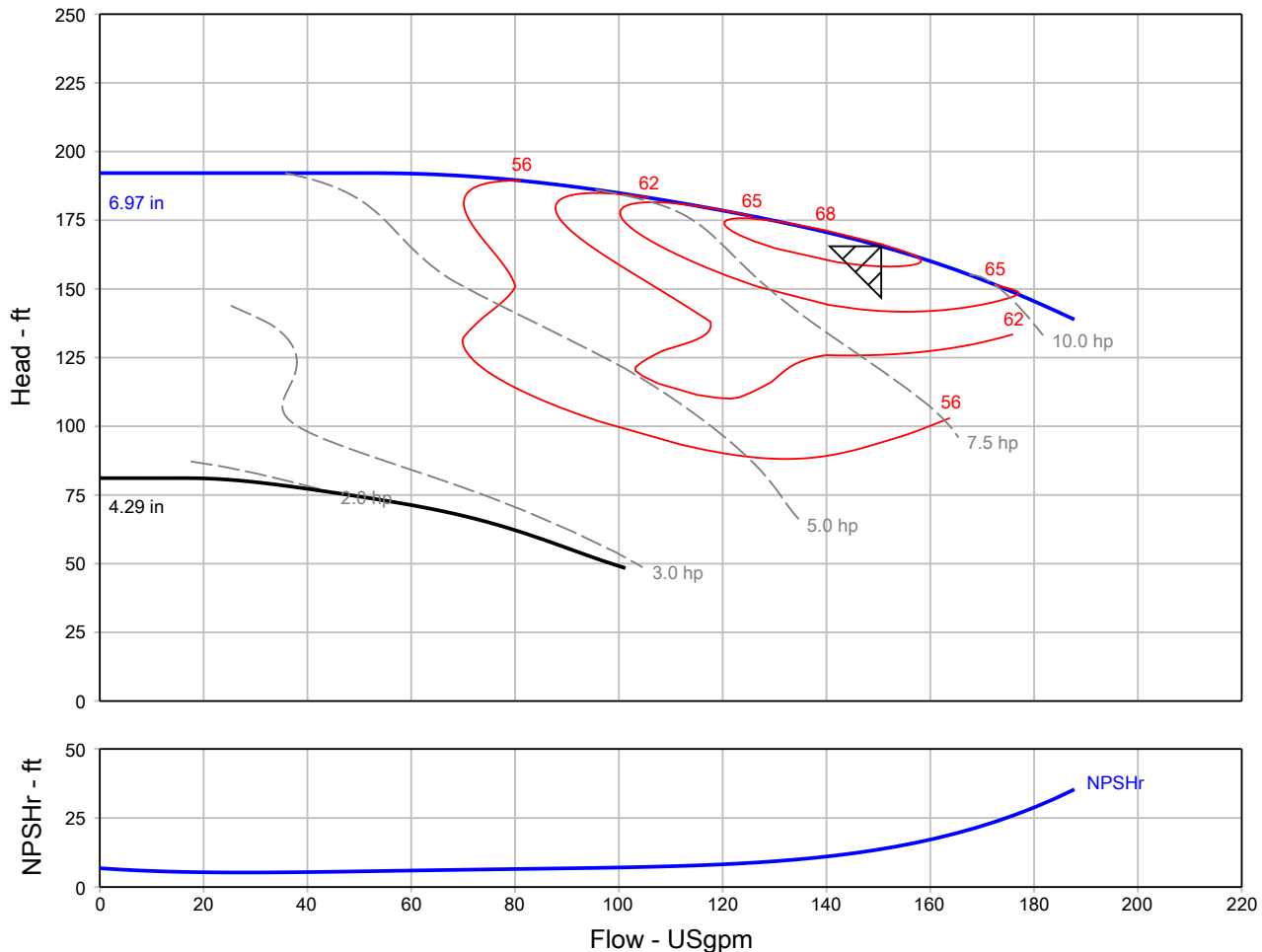
Grundfos Series NBS - Split Coupled End Suction Pump

QUOTE NUMBER / ID 596697	UNIT TAG 001	QUANTITY 1
REPRESENTATIVE	SERVICE	
ENGINEER	SUBMITTED BY	DATE
CONTRACTOR	APPROVED BY	DATE
	ORDER #	DATE



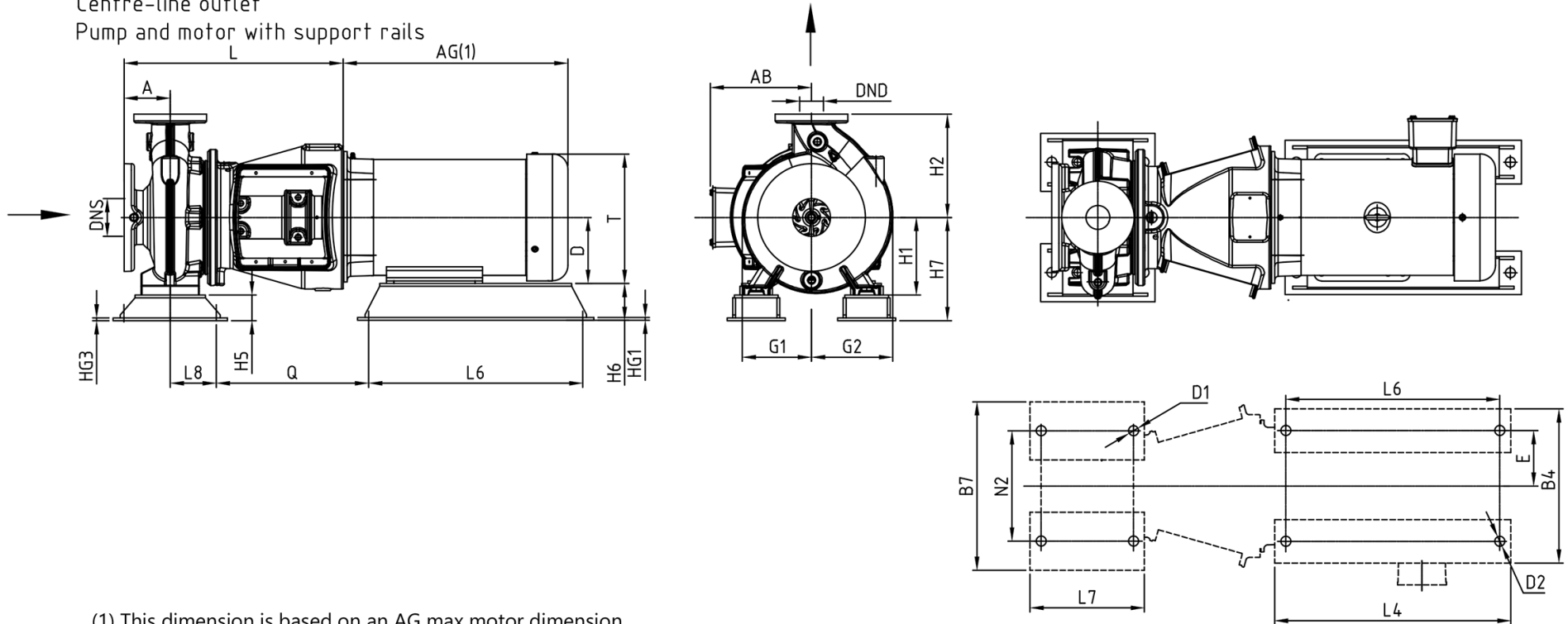
NBS 012-070-2P 3450 rpm

Conditions of Service		Pump Data		Motor Data	
Flow	150.5 USgpm	Impeller Diameter	6.97 in	Motor HP	15 HP
Head	165.5 ft	Max. Imp. Dia.	6.97 in	BHP	9.46 HP
Liquid	Cold Water	Min. Imp. Dia.	4.29 in	Enclosure	TEFC
Temperature	68.00 deg F	Efficiency	66.47 %	Voltage	230/460 V
NPSHr	13.73 ft	Suction	2 in	Phase	3 Phase
Viscosity	1.00 cP	Discharge	1.25 in	Cycle	60
Specific Gravity	1.000 SG	PEI (CL)	0.92	Frame Size	254TC
		ER (CL)	8	Shaft Grounding	None



Grundfos Series NBS - Split Coupled End Suction Pump

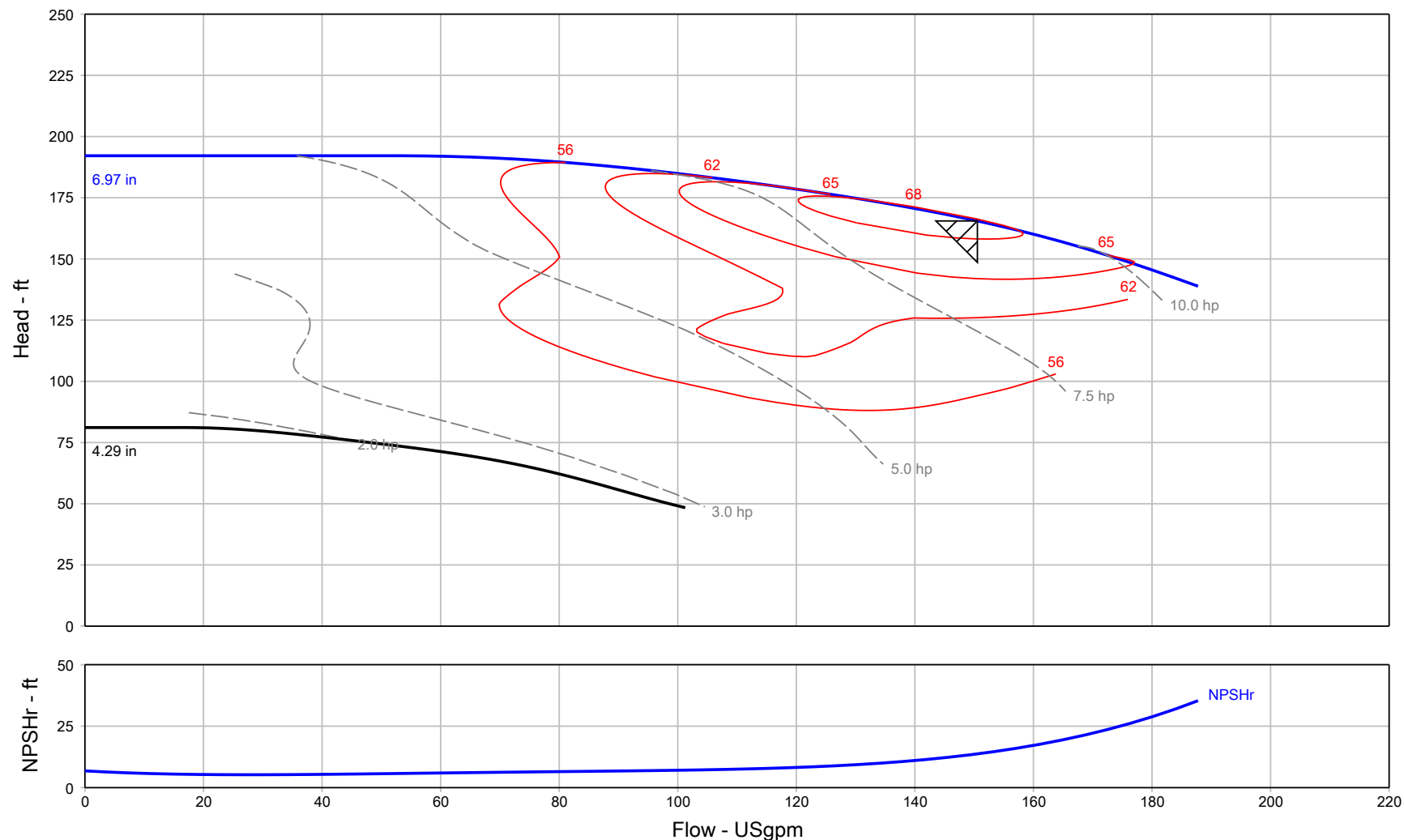
Mounting design C
Centre-line outlet
Pump and motor with support rails



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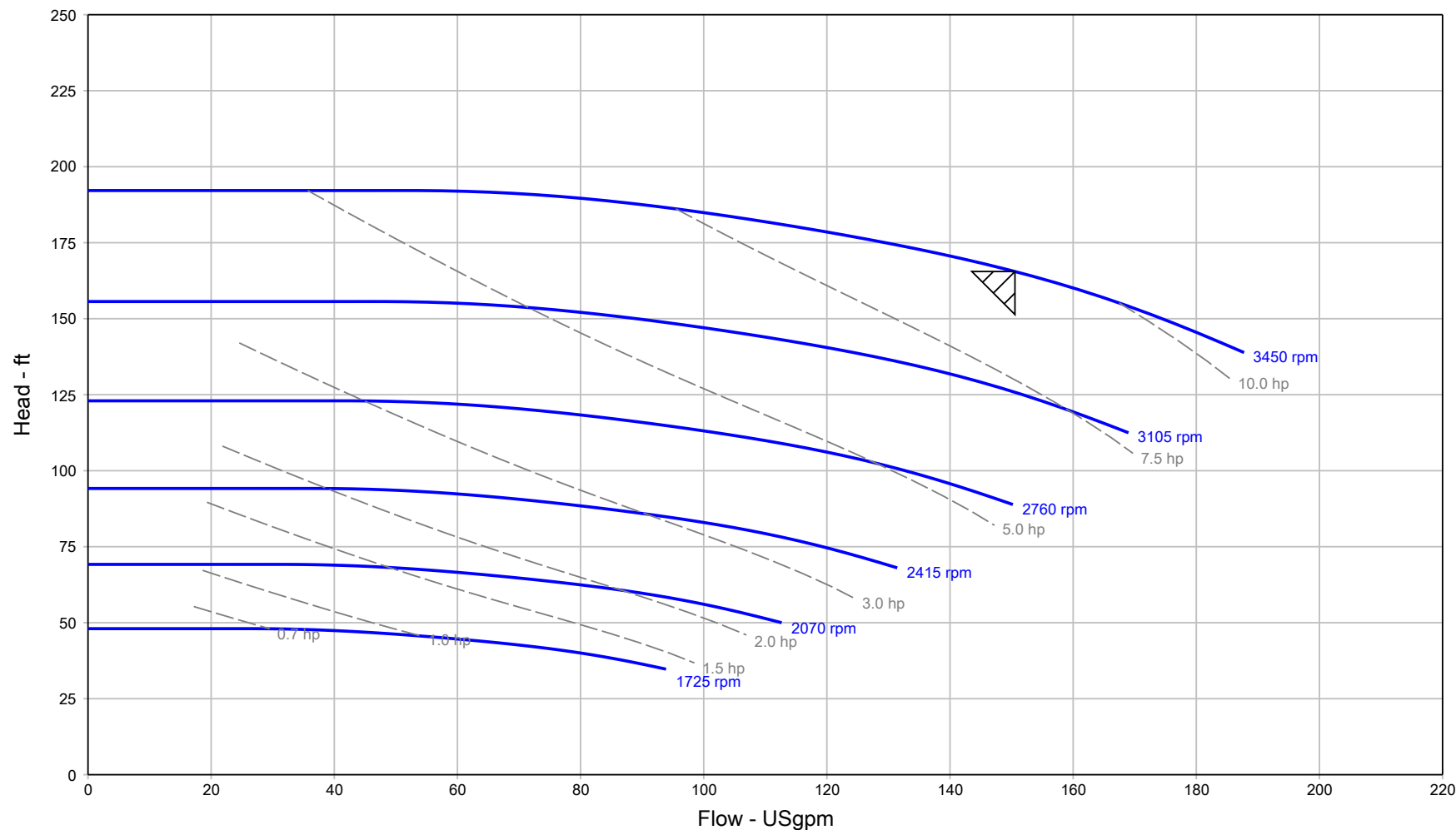
Units	Frame	DNS	DND	Class	A	AB	AG	B4	B7	D	D1	D2	E	G1	G2	H1	H2	H5	H6	H7	HG1	HG3	L	L4	L6	L7	L8	N2	Q	T
inches	254TC	2	1.25	125	3.13	9.63	21.53	11.97	11.42	6.25	0.69	0.69	5.00	4.53	5.08	5.25	7.00	1.75	0.75	7.00	0.38	0.20	14.64	20.25	18.75	7.75	3.13	7.48	10.24	12.88

Pump Performance Curve



Project name	: Default	Tag Number	: 001	Flow, rated	: 150.5 USgpm
Consulting engineer	:	Service	:	Differential head / pressure, rated	: 165.5 ft
Customer	:	Model	: NBS 012-070-2P	Rated power (based on duty point)	: 9.46 hp
Customer ref. / PO	:	Quantity	: 1	Max power (non-overloading)	: 10.67 hp
Quote Number / ID	: 596697	Quoted By (Sales Office)	: PFC EQUIPMENT INC	Efficiency	: 66.47 %
Date last saved	: 04/21/2022 2:14 PM	Quoted By (Sales Engineer)	: Kelly Kresa	Impeller diameter, rated	: 6.97 in
Based on curve number	: 012-070-2P_Std	Stages	: 1	PEI (CL)	: 0.92
		Speed, rated	: 3450 rpm	ER (CL)	: 8

Multi-Speed Performance Curve



Project name	: Default	Tag Number	: 001	Speed, rated	: 3450 rpm
Consulting engineer	:	Service	:	Flow, rated	: 150.5 USgpm
Customer	:	Model	: NBS 012-070-2P	Differential head / pressure, rated	: 165.5 ft
Customer ref. / PO	:	Quantity	: 1	Fluid density, rated / max	: 1.000 / 1.000 SG
Quote Number / ID	: 596697	Quoted By (Sales Office)	: PFC EQUIPMENT INC	Viscosity	: 1.00 cP
Date last saved	: 04/21/2022 2:14 PM	Quoted By (Sales Engineer)	: Kelly Kresa	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
		Stages	: 1	Based on curve number	: 012-070-2P_Std